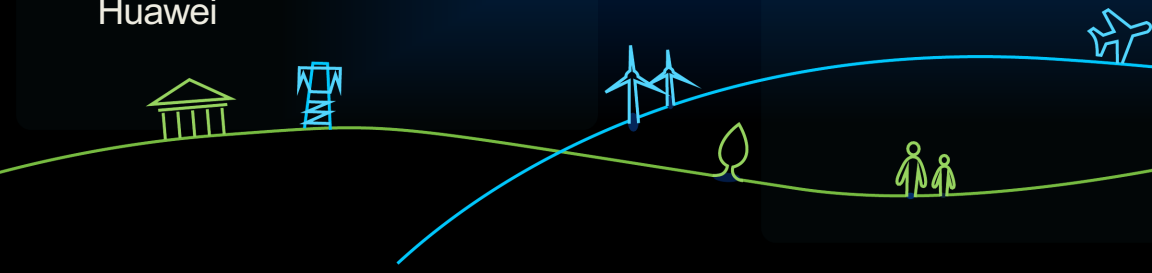


# Everything you need to know about 5G architecture in around 300 seconds...

Ray Williamson  
Dir. Europe Product Management  
Huawei

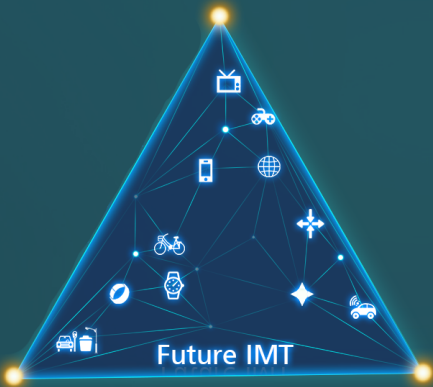


# Creating New Opportunities

## 5G Use Scenarios

10Gbit/s

Enhance Mobile Broadband  
(eMBB)



Massive Machine Type  
Communications  
(mMTC)

1million/km<sup>2</sup>

Ultra-Reliable and  
Low Latency Communications  
(uRLLC)

1ms

Source: ITU R. M. [IMT.VISION]

## eMBB

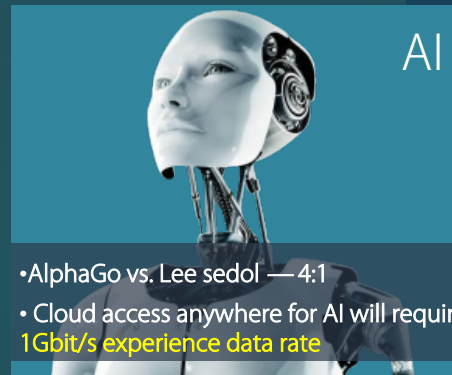
(1000X traffic)



VR

VR: the Next Social Platform

—Zuckerberg keynotes in MWC2016



AI

•AlphaGo vs. Lee sedol — 4:1

• Cloud access anywhere for AI will require  
1Gbit/s experience data rate

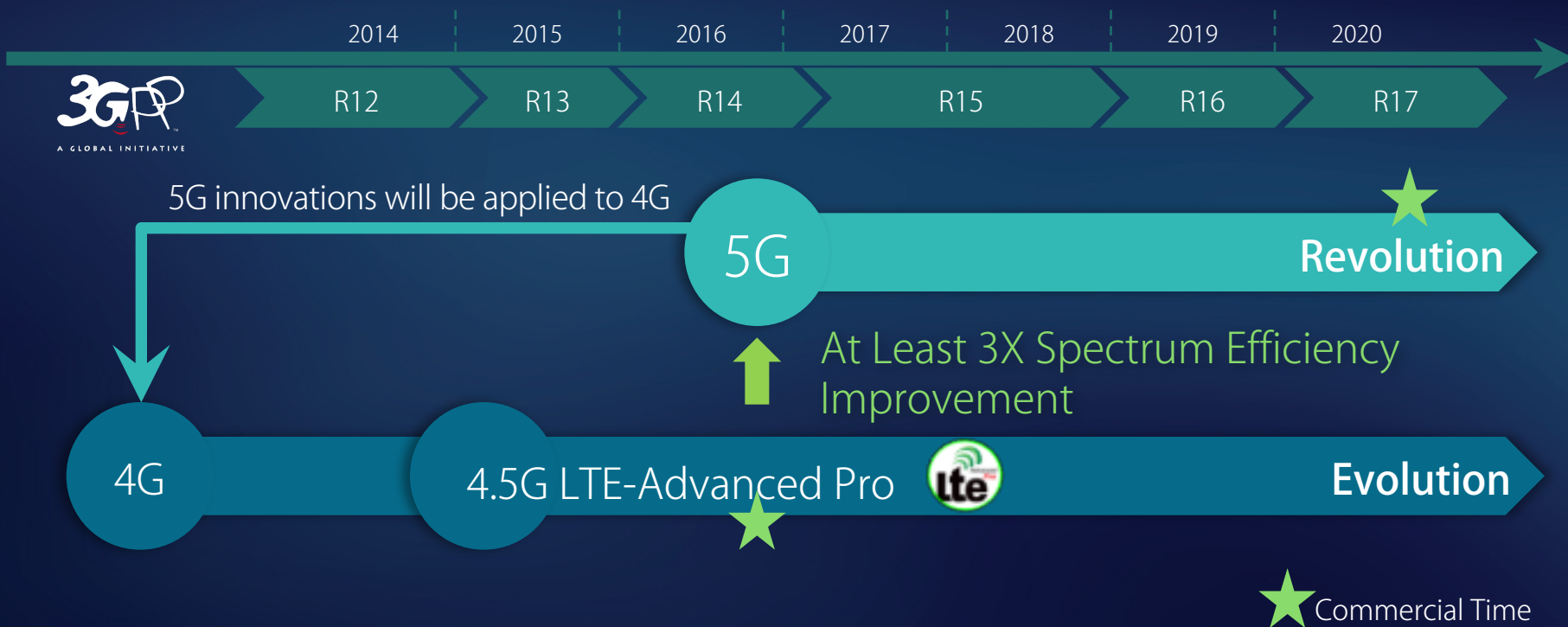
## mMTC



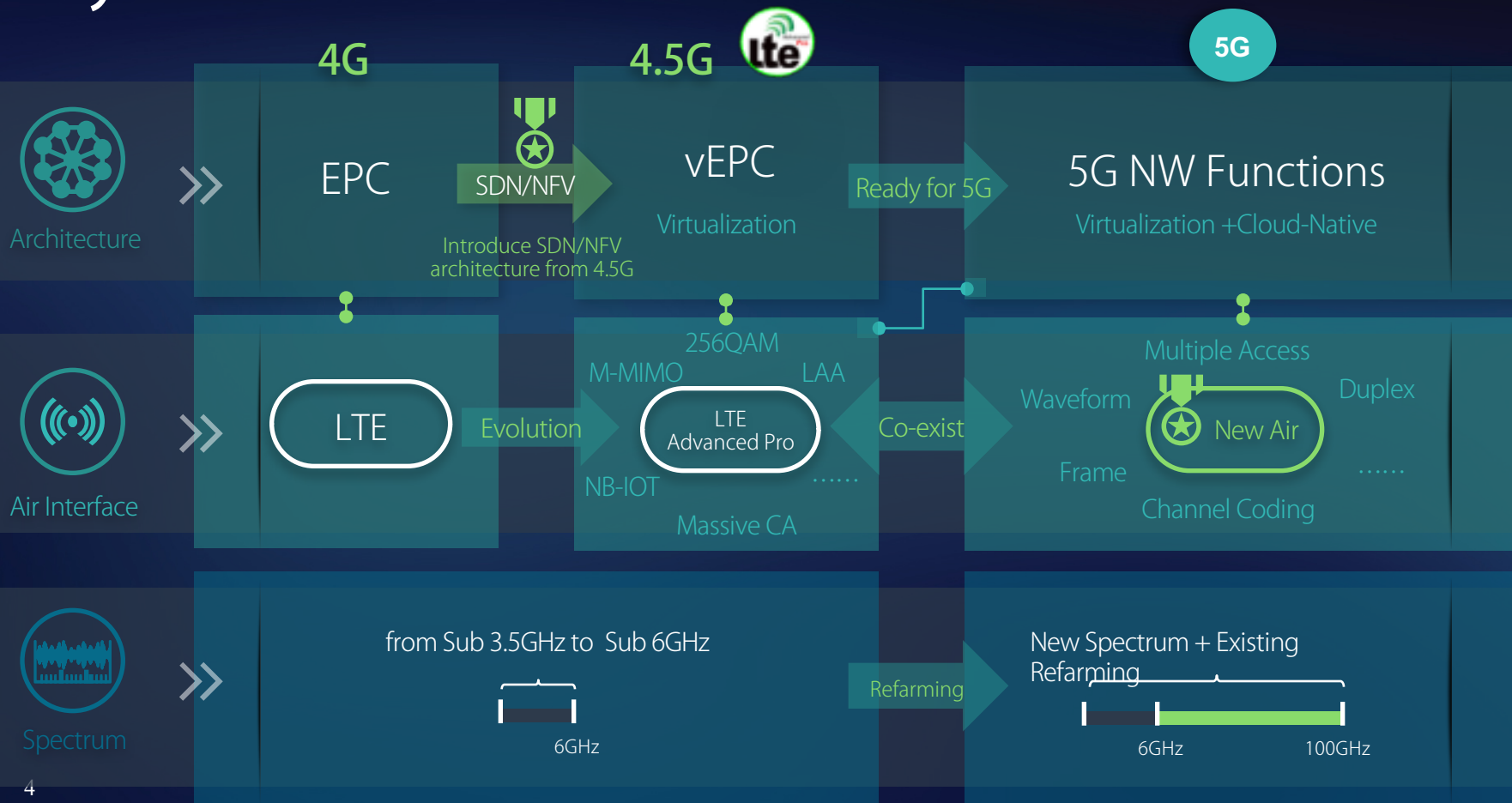
## uRLLC



# 5G Needs Revolutionary Innovation



# Key evolution threads toward 5G



# The 5G HetNet



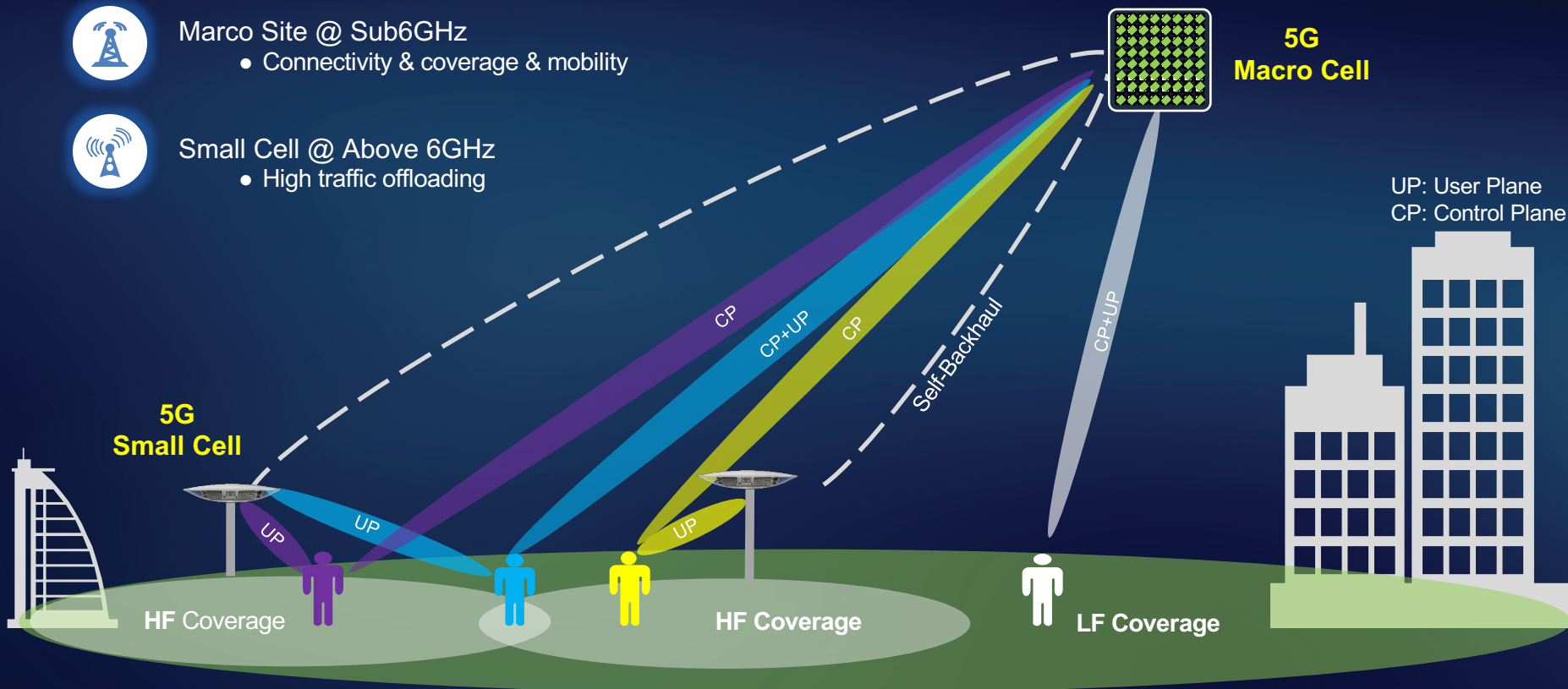
Marco Site @ Sub6GHz

- Connectivity & coverage & mobility



Small Cell @ Above 6GHz

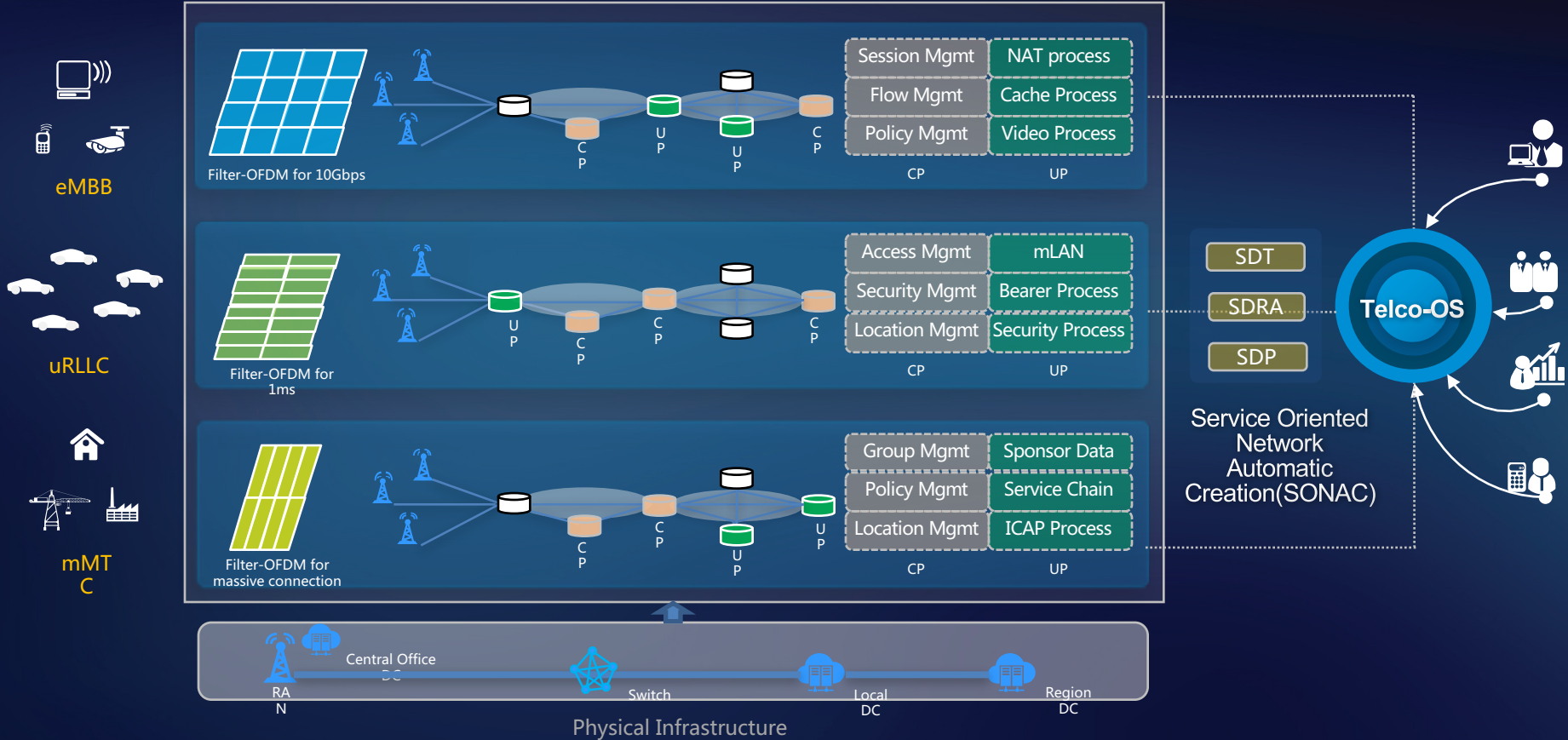
- High traffic offloading

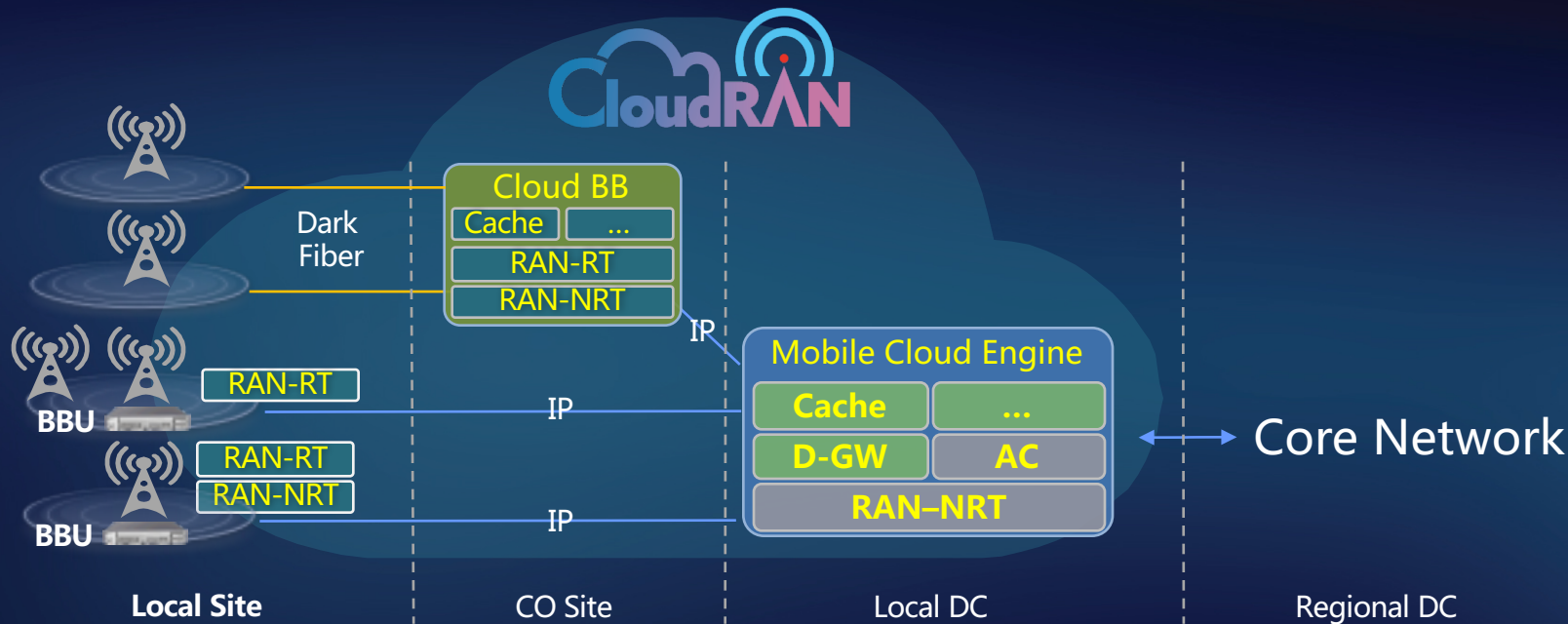




# 5G E2E Network Slicing

5G





## Common Network Architecture across different Technologies & Layers

- Flexible deployment depending on availability of fiber and service needs.
- On-demand deployment to increase RAN resource efficiency @ Multi-band, Multi-RAT, Multi-Layer
- MCE close to the end user for better service experience